

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

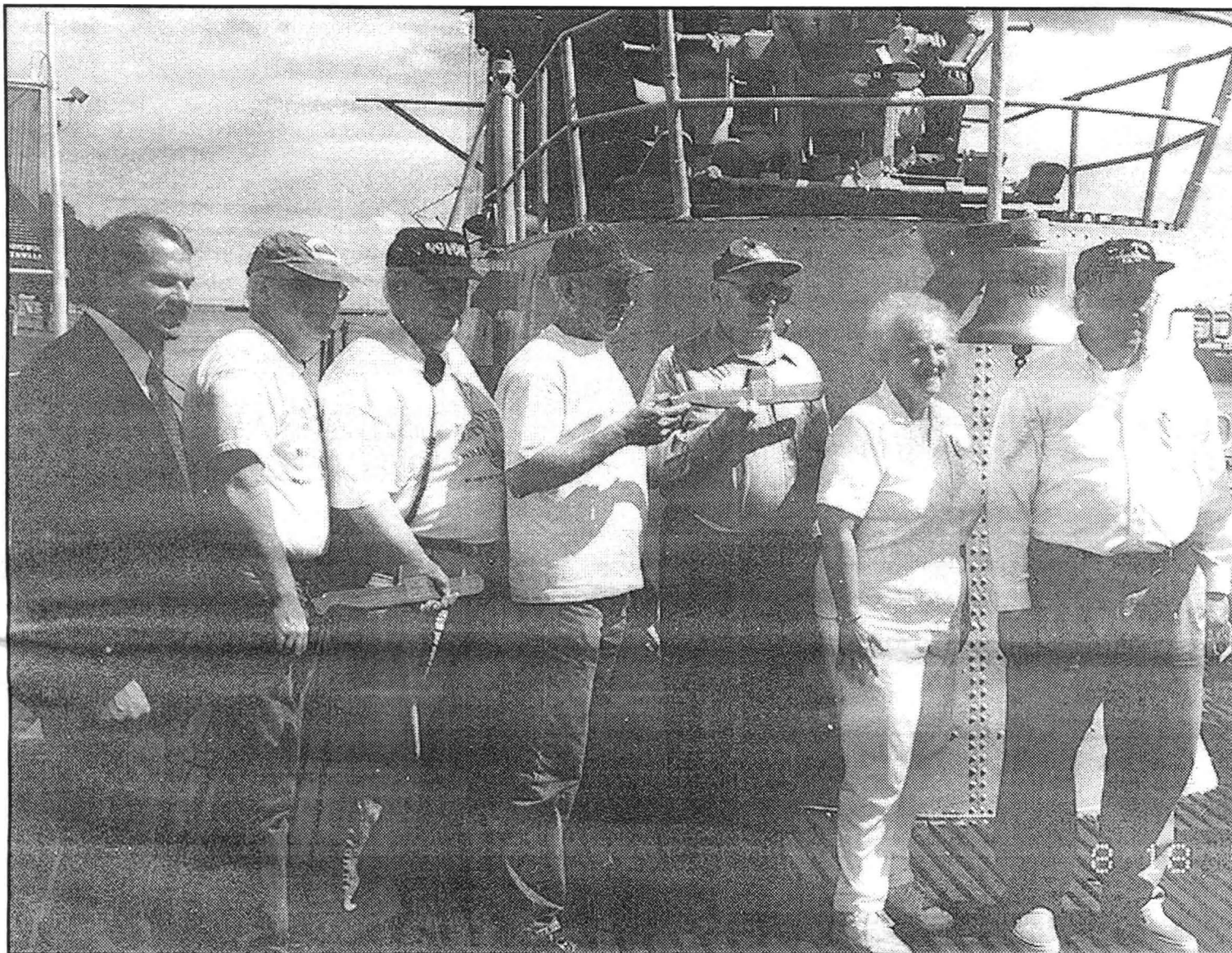
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Left to right: Jay Martin, director of Manitowoc's Cobia Museum; Jim Riley, KB9CYL, and George Young, N9VOK, of Hamfesters Radio Club, Chicago; Bob Dunn, KB9INK, Roger Beyer, W9NPX, and Denise Beyer, N4WKG, of the

ManCoRad radio club, and Jim Flanders, W0OOG, of Plano, Texas, organizer of Submarines on the Air.

Photo courtesy Fred Neuenfeldt, W6BSF

"Submarines on the Air" awards presented

On April 29 and 30, the 100th anniversary of the submarine service was recognized by the Fourth Annual Submarines on the Air event. The event's purpose is to publicize submarine museums around the world. Trophies were given to the first, second, and third place museum submarine ham radio operations, plus the first and second place SSB and CW operators.

On August 18, the trophies were presented aboard the USS Cobia in Manitowoc, WI.

The second consecutive year, the ManCoRad radio club (W9DK) placed first for the most points scored. The Hamfesters Radio Club of Chicago took second place for their hard work from a German U-505.

Third place and best SSB operator went to the single operator aboard the USS Clamagore, based in South Carolina. Nobody submitted a log for CW work this year, so there was no winner in that category.

It was decided that the first-place submarine each year will host the trophy ceremonies. It must be noted that during this year's ceremony, the Hamfesters club boldly stated that next year's ceremony will be in Chicago. The challenge is on!

This year, over 50 submarines were on the air. And each year the activity has doubled.

The 2001 Submarines on the Air event will be the last week in April (28-29).

- Fred Neuenfeldt, W6BSF
ManCoRad Radio Club

Chapter 162 will host the 2001 QCWA International Convention

By Larry McCalvy, WA9JMO

Citing major changes in format, content and location, the Quarter Century Wireless Association's International Board of Directors approved the 2001 QCWA Convention to be an eight-day Eastern Caribbean cruise hosted by Chapter 162. The cruise will be aboard Holland America's MS Westerdam departing Fort Lauderdale, Florida on Saturday, October 27, 2001 at 5 PM. The ship's itinerary includes port stops at Nassau, Bahamas; San Juan, Puerto Rico; Philipsburg, St Maarten; St John & St Thomas, USVI; and a day at a private island paradise on Half Moon Cay, Bahamas, before returning to Ft Lauderdale the following Sunday morning.

We are looking on this as an opportunity to combine the Convention with a very memorable vacation. Individuals cruising will be mailed a complimentary video of the eight-day adventure, have shopping excursions on the duty free islands of St John and St Thomas just

before Christmas (depending on your gift list, your discounted shopping may pay for most of the trip), and one of the most exciting weeks of your life. Plan on taking family members and/or friends to share your week of wonderment. For those not wishing to cruise by themselves or share a cabin with an unknown roommate, this is a very nice way to spend quality time with a grandchild.

White Travel Service, Inc. in West Hartford, Connecticut will book the cruise and make any additional travel arrangements you may require. I am working with Edythe White at the travel service. She may be reached by calling 1-800-547-4790 and reference the QCWA (Ham Radio Convention) Westerdam, October 27, 2001.

Following are the QCWA rates and state-room categories for the October 27, 2001

Please turn to page 4

Happy Halloween!

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WHAT'S HAPPENING

Swapfests and Other Social Events — Club Meetings Amateur Radio Exam Schedules

Edited by Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901 • kebnetter@palacenet.net

Swapfests And Other Social Events

SATURDAY, OCTOBER 28, 2000 Hamfest Minnesota Saint Paul, MN Contact: P.O. Box 5598, Hopkins, MN 55343 (952) 535-0637

SATURDAY, JANUARY 6, 2001 29th Annual Midwinter Swapfest Waukesha Exposition Center Sponsored by the West Allis Radio Amateur Club <http://www.WARAC.org>

FEBRUARY 27, 2001 Red Cedar Repeater Association Auction American Legion Post 53 634 Water St., Eau Claire WI Information: Steve Hart, KA9OMC (715) 665-2374.

SUNDAY, MARCH 4, 2001 SEWFARS Swapfest Waukesha Expo Center 8 a.m. to 2 p.m. Setup starts at 6 a.m. Talkin: 146.82 PL 127.3 Reservation deadline: February 23, 2001 Info: (262) 835-7035

SUNDAY, MARCH 11, 2001 Wisconsin QSO Party Sponsored by the West Allis Radio Amateur Club <http://www.WARAC.org>

SUNDAY, MARCH 25, 2001 NS9RCfest Formerly

LAMARSfest Lake County Fairgrounds Grayslake, IL Sponsored by North Shore Radio Club, Box 1066, Highland Park IL 60035 <http://www.ns9rc.org>

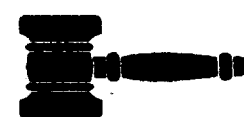
SATURDAY, APRIL 8, 2001 Madison Swapfest Mandt Community Center 400 Mandt Parkway Stoughton, WI Doors open at 8 a.m. Sponsored by MARA/W9HSY P.O. Box 8890, Madison WI 53708-8890 Info Line: (608) 245-8890

SATURDAY, MAY 5, 2001 Ozaukee Radio and Computer Swapfest 8 a.m. to 1 p.m. Circle B Recreation Center, Intersection of Highway 60 and County Y Info: Ozaukee Radio Club W55 N865 Cedar Ridge Drive Cedarburg, WI 53012

SATURDAY, JUNE 9, 2001 Eau Claire Amateur Radio Club Hamfest 2001 Information: Jim Staatz, KG9RA P.O. Box 1867, Eau Claire WI 54702-1867 Web: <http://www.ecarc.org> Email: w9eau@ecarc.org

SATURDAY, JULY 7, 2001 Hamfest 01 South Milwaukee Amateur Radio Club American Legion Park, Oak Creek Info: Verne at (414) 762-3235

As a service to our readers, this section is available without charge to list your upcoming swapfest, hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to kebnetter@palacenet.net.



CLUB MEETINGS

We are not able to carry the complete club listing every month. Please save the following listing of information on club meetings.

ARROWHEAD AMATEUR RADIO CLUB, INC.
Superior, WI
Meetings: Second Tuesday at WITC Conference Center, 600 N. 21st St., Superior, WI. Time: 7:30 p.m. Board meetings held before regular meetings.

BADGER AMATEUR RADIO SOCIETY
University of Wisconsin - Madison/W9YT
Meetings: First Mondays at 7:30 p.m. in UW Union South. Information: Don Michalski, W9IXG, (608) 263-4685. Email: w9ixg@arrl.org. Web: <http://www.qsl.net/w9yt>.

BADGERLAND AMATEUR TELEVISION SOCIETY (BATS)
Check BATS Web page: <http://www.shopstop.net/BATS/>

CENTRAL WISCONSIN RADIO AMATEURS
University of Wisconsin - Stevens Point, WI. Second Wednesday.

EAU CLAIRE AMATEUR RADIO CLUB
Eau Claire, Wisconsin
Meetings: 2nd Tuesday - 7 p.m., Eau Claire Parks & Recreation, 1300 First Ave., Eau Claire, WI 54703. All hams and guests welcome. W9EAU repeater 146.91 MHz, tone 110.9 Hz. Information: Jim Staatz, KG9RA, (715) 838-9108, or kg9ra@ecarc.org Web page: <http://www.ecarc.org>

FALLS AMATEUR RADIO CLUB, INC.
Menomonee Falls, WI
Meetings: Last Wednesdays at Bank One building in Germantown. Doors open 7 p.m. Meeting time: 7:30 p.m. Guests are welcome!

FOND DU LAC AMATEUR RADIO CLUB
Fond du Lac, WI
Meetings: Second Monday at Moraine Park Technical College, Fond du Lac, WI. Time: 7 p.m. Information: Gene Olig, KD9ZP, gaolig@pitnet.net Web:

FOUR LAKES AMATEUR RADIO CLUB
Madison, WI
Meetings: First and third Tuesdays, 7:30 p.m. Red Cross Building, 4860 Sheboygan Avenue, Room C, downstairs. First building west of Hill Farms State Office Building.

FOX CITIES AMATEUR RADIO CLUB
Meetings: Third Mondays, 7 p.m., Madison Junior High School, 2020 South Carpenter Avenue, Appleton, WI. Information: Chad at (414) 993-0485.

GREATER MILWAUKEE DX ASSOCIATION
Meetings: Fourth Monday of month, 7:30 p.m. Contact any GMDXA member, or Gary Schwartz, K9GS, (414) 363-4439. Email: garyk9gs@solaria.sol.net. Packet cluster NB9C for meeting information.

GREEN BAY MIKE AND KEY CLUB
Meetings: Second Thursdays, Media Services area of J. M. Science Building at St. Norbert College in DePere.

GREEN FOX AMATEUR RADIO CLUB
Greater Green Lake County area.
Meetings: Third Mondays, 7:30 p.m., Green Lake Town Hall, intersection of County Highways K and N.

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560. kebnetter@palacenet.net

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EDITORIAL BOARD: Ken Ebnetter, K9EN; Don Everson, K9JYX; Jim Romelfanger, K9ZZ.

Subscription Rate

1 year	(12 issues)	\$13.95
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Subscription form is on page 5. Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1. The only exception is for participating clubs' minutes. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections, and exchange papers should be sent to Ken Ebnetter.

Editorial material, photographs, and feature articles should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Club, swapfest, and Test Point information should be sent to Ken Ebnetter.

Swapfest ADS should be sent to Jim Romelfanger NO LATER THAN EIGHT WEEKS BEFORE THE EVENT'S DATE.

Subscriptions should be sent, with check or money order, to Ken Ebnetter.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.

This newspaper is produced by volunteer radio amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

Badger State Smoke Signals is incorporated as a Wisconsin non-stock, non-for-profit organization.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

LAKESHORE REPEATER ASSOCIATION

Racine, WI
Meetings: Last Tuesday, January, April, July, October.
New meeting location to be announced.

M & M AMATEUR RADIO CLUB

Menomonie, MI
General meetings: Monthly, second Thursday, 7 p.m., cafeteria, BAMC basement, Tenth Avenue, Menoninee, MI. Amateurs and guests welcome. Repeater: 147.00, + offset. Sunday net: 7 p.m., 147.00 repeater. Address: P.O. Box 1082, Marinette, MI 54143.

MANITOWOC COUNTY RADIO AMATEURS

(ManCoRad)
Second Wednesdays. Directors meeting: 6:30 p.m., City Hall basement, 817 Franklin St., Manitowoc Regular meeting: 7:30 p.m., Associated Bank, lower level, 1000 Franklin St., Manitowoc, WI

MILWAUKEE RADIO AMATEURS CLUB

Meetings: Last Thursdays, 7:30 p.m., Redemption Lutheran Church, 4057 North Mayfair Road, Wauwatosa, WI.

NORTHWOODS AMATEUR RADIO CLUB

Rhineland, WI
Meetings: Third Tuesdays. Doors open 7 p.m. Meeting 7:30 p.m. South Park School, Rhineland. Talk-in 146.94 (-600). All visitors welcome.

OZAUKEE RADIO CLUB

Ozaukee County area, WI
Meetings: Second Wednesdays, 7:30 p.m., Grafton Multipurpose Senior Center. Information: <http://www.qsl.net/orc>.

QUARTER CENTURY WIRELESS ASSOCIATION

(QCWA-55)
Wisconsin Chapter 55
Wisconsin Chapter 55 meets the first Saturday of June and October. For information about Chapter 55, contact Ron Yokes, W9BCK, Secretary, 612 N.Pt Washington Road, Grafton, WI 53024-9703. (262) 375-1774. <mailto:ronyokes@execpc.com>

QUARTER CENTURY WIRELESS ASSOCIATION

(QCWA-162)
Southeastern Wisconsin Chapter 162
Meetings: Third Monday in January, March, May, July, September, and November, 7:30 p.m., usually at Meadows Restaurant, Franksville, WI. Social events: Third Sundays in February, April, June, August, and October. Christmas party: Usually second or third Sunday in December.

RACINE MEGACYCLE CLUB

Meetings: Second Mondays, 7:30 p.m., New meeting location to be announced.

RADIO AMATEURS OF WISCONSIN (R.A.W.)

Oshkosh, WI
Meetings: Third Saturday monthly, locations vary. "R.A.W. is a family oriented club. Most of its meetings revolve around family doings and outings. We are always looking for good people to join us. If you are a ham or interested in ham radio, contact Mark Miller, N9WT, (920) 231-1662, or Duane Ritschke, W9UDX, (920) 233-1684."

RED CEDAR REPEATER ASSOCIATION, INC.

Saturday coffee at Hardee's in North Monomomie, corner of Highways 12 and 25 at 9 a.m. Social hour on 4th Tuesdays at 7:30 p.m. at the Peppermill Too, 1414 9th Street in the L-Mart Shopping Center in January, March, April, and September through November. Guests welcome!

RIVERLAND AMATEUR RADIO CLUB

Onalaska, WI
Meetings: First Tuesdays, 7 p.m., Onalaska Community Center.

ROCK RIVER RADIO CLUB

Meetings: First Tuesdays, 7:30 p.m., Dodge County Administration Building, 127 East Oak Street, Juneau, WI. ARES Nets: 146.64 (-600) Mondays, 7:30 p.m., Saturdays, 7277 KHz, 10:30 a.m.

SHEBOYGAN COUNTY AMATEUR RADIO CLUB

Meetings: Second Tuesdays, 7 p.m., Sheboygan County Red Cross/Boy Scout Building, 2032 Erie Avenue. NORTH-LAND AMATEUR RADIO CLUB of SHELL LAKE, WI
Meetings: First Tuesday at the Shell Lake Airport, Tipton Road, Shell Lake, WI. Meeting time: 7 p.m. More information: <http://home.centurytel.net/NorthlandARC/>

SOUTH MILWAUKEE AMATEUR RADIO CLUB

Meetings: First Wednesdays, Legion Post 434, Shepard Ave., Oak Creek, WI. Auctions in March and October.

SPACE PLACE AMATEUR RADIO CENTER

No meetings. Located on U.W.-Madison campus. Guest operators are welcome to operate the U.W. Space Place Amateur Radio Station, N9UW. Information: Don Michalski, W9IXG, President, (608) 263-4685. Email: n9uw@sal.wisc.edu

St. CROIX VALLEY RADIO AMATEURS

Hudson, WI
Meetings: Third Tuesdays, St. Croix County Emergency

Government Center, Carmichael Road, Hudson. Short business meeting at 7:30 p.m. followed by program. Talkin: 145.13 MHz. All are welcome!

TAYLOR COUNTY AREA AMATEUR RADIO CLUB

(TCAARC)
Medford, WI
Meetings: Usually first Thursday, 7 p.m. sharp. Usual location: Emergency Government meeting room/Red Cross Office, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Streets, Medford. Talkin: 147.15 (+600) MHz. Amateurs and guests are welcome. ARES Net: Wednesdays, 8:30 p.m., 147.15 (+600) repeater. Information: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405. Phone: (715) 223-3996.

TRI-COUNTY AMATEUR RADIO CLUB

Meetings: Held at members' homes. Usually monthly on Sunday afternoon. Contact: Glenn Eisenbrandt, (414) 563-6502, or John Satterlee, (414) 5563-6381.

WASHINGTON COUNTY AMATEUR RADIO CLUB

Meetings: Second Thursdays, 7:30 p.m., Washington County Courthouse. Net: Thursdays, 7:30 p.m., 146.73 (-600).

WATERTOWN AMATEUR RADIO CLUB

Meetings: First Thursdays of month, 7 p.m., Watertown Public Library, 100 South Water Street.

WAUPACA AMATEUR RADIO CLUB

"CQ First Tue.": Social gathering and Dutch treat luncheon, King's Table, King, WI, on Highway QQ, just south of Highways 10 and 54, west side of Waupaca. Gather at 11 to 11:30. Order at noon. Club business transacted. "CQ Third Fri.": Social gathering and Dutch treat dinner. Semi-formal, OM and XYL, at one of the better supper clubs in the area. Check: Waupaca 147.39 nets at 8 a.m. or 8:50 p.m. for month's meeting location.

WEST ALLIS RADIO AMATEUR CLUB

Meetings: Second Tuesdays, 8 p.m., St. Peter's Episcopal Church, 7929 Lincoln Avenue, entrance is at rear of building on alley. Information: <http://www.warac.org>.

WISCONSIN RAPIDS AMATEUR RADIO CLUB

Meetings: Third Wednesdays, 7 p.m., Room 14 of Wood County Courthouse. Talkin: 146.79 (-600) for entry into the building.

WISCONSIN VALLEY RADIO ASSOCIATION

Wausau, WI
Meetings: First Tuesdays, 7:30 p.m. Location varies. Information: 146.64 (-600).

WISCONSIN ASSOCIATION OF REPEATERS

Quarterly meetings of the Wisconsin Association of Repeaters are held at various locations around the State on the second Saturdays of March, June, September and December. Check the WAR web page for meeting announcements and repeater coordination info. Information: <http://www.wi-repeaters.org>.

YELLOW THUNDER AMATEUR RADIO CLUB

Baraboo, WI
Meetings: First Tuesdays, 7:30 p.m., Room 18, Baraboo Civic Center at 124 Second Street. Information: <http://members.baraboo.com/ssschulze>.

Notice: We are not liable for any errors, omissions, typographical errors, or misprints. Clubs are responsible for furnishing any changes or corrections which may be needed!

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

We are unable to carry the complete listing of information on Wisconsin area Examination locations every month. Please see last month's issue of BSSS for information and locations for the examination sites that you may be interested. A complete listing will be in next month's BSSS.

October 07, 2000 Oshkosh (Omro), WI
October 07, 2000 Racine, WI
October 07, 2000 Eau Claire, WI
October 07, 2000 St. Paul, MN
October 12, 2000 Apple Valley, MN
October 14, 2000 Blaine, MN
October 14, 2000 Eau Claire, WI
October 14, 2000 Madison, WI
October 17, 2000 Eden Prairie, MN
October 21, 2000 Cottage Grove, MN
October 21, 2000 Loves Park, IL
October 21, 2000 Milwaukee, WI (BE)
October 28, 2000 Bloomington, MN

October 28, 2000 Milwaukee, WI (MRAC)
October 28, 2000 Tomahawk, WI
November 04, 2000 Menomonie, WI
November 04, 2000 Onalaska, WI
November 04, 2000 Oshkosh (Omro), WI
November 04, 2000 Racine, WI
November 04, 2000 St. Paul, MN
November 05, 2000 Kaukauna, WI
November 11, 2000 Blaine, MN
November 11, 2000 Madison, WI
November 14, 2000 Apple Valley, MN
November 18, 2000 Cottage Grove, MN
November 18, 2000 Loves Park, IL
November 18, 2000 Milwaukee, WI (BE)
November 21, 2000 Eden Prairie, MN
November 21, 2000 Sheboygan, WI
November 25, 2000 Bloomington, MN
November 25, 2000 Milwaukee, WI (MRAC)
November 25, 2000 Tomahawk, WI
December 02, 2000 Oshkosh (Omro), WI
December 02, 2000 Racine, WI
December 02, 2000 St. Paul, MN
December 02, 2000 Eau Claire, WI
December 09, 2000 Blaine, MN
December 09, 2000 Madison, WI
December 14, 2000 Apple Valley, MN
December 16, 2000 Cottage Grove, MN
December 16, 2000 Loves Park, IL
December 16, 2000 Milwaukee, WI (BE)
December 19, 2000 Eden Prairie, MN
December 23, 2000 Bloomington, MN
January 06, 2001 Racine, WI
January 06, 2001 Oshkosh (Omro), WI
January 06, 2001 St. Paul, MN
January 11, 2001 Apple Valley, MN
January 13, 2001 Madison, WI
January 13, 2001 Blaine, MN
January 16, 2001 Eden Prairie, MN
January 20, 2001 Milwaukee, WI (BE)
January 20, 2001 Loves Park, IL
January 20, 2001 Cottage Grove, MN
January 27, 2001 Bloomington, MN
January 27, 2001 Milwaukee, WI (MRAC)
January 27, 2001 Appleton, WI
January 27, 2001 Tomahawk, WI
January 13, 2001 Eau Claire, WI
Monthly, 1st Sat. Oshkosh (Omro), WI
Monthly, 1st Sat. St. Paul, MN
Monthly, 2nd Thu. Apple Valley, MN
Monthly, 2nd Sat. Madison, WI
Monthly, 2nd Sat. Blaine, MN
Monthly, 3rd Tue. Eden Prairie, MN
Monthly, 3rd Sat. Milwaukee, WI (BE)
(September through April)
Monthly, 3rd Sat. Loves Park, IL
Monthly, 3rd Sat. Cottage Grove, MN
Monthly, 4th Sat. Bloomington, MN
Monthly, Last Sat. Milwaukee, WI (MRAC)
(except December)
Monthly, Last Sat. Tomahawk, WI
(January thru October only)
Quarterly Eau Claire, WI
(Second Saturday Jan., Apr., & Oct.)
plus annual summer hamfest.)

GENERAL RULES FOR MOST EXAMINATIONS

Be sure to check with sponsors before going to an examination session. There may be changes and/or errors in the dates or information given. Some examinations require filing an FCC or NCVEC Form 605 and advance registration at least 30 days before the exam date. Some VE teams permit walk-ins. Check with the sponsor. Many hamfests and swapfests offer examinations. A hamfest entrance fee should not be charged if you come only to attend the examination. To register in advance, you must get a copy of the current FCC Form 605, and fill it out completely and correctly. Got your form from the FCC as instructed below, or from the American Radio Relay League, 225 Main Street, Newington, CT 06111. Please send an SASE if you request a form from the League. FCC Field Offices seldom stock forms. You can also get a form from

<http://www.fcc.gov/formpage.html>
or
<ftp://ftp.fcc.gov/pub/Forms/Form605>.

A form by FAX is available at (202) 418-0177 (request Form 000605). The FCC Forms Distribution Center will accept orders at (800) 418-3676. Form 605 has a main form, plus a Schedule D with two parts (for Vanity and Physician's Certifications). Forms can also be obtained from the sponsoring group. ARRL/VEC examinations require a check for \$6.65 payable to "ARRL/VEC". Exam fees change annually. See QST, WIAW bulletins, or The ARRL Letter regarding any annual exam fee changes. ARRL/VEC no longer gives a free code test or Element 2. Test fees: The ARRL/VEC has set its 2000

(continued on page 11)

From the Section Manager

Don Michalski, W9IXG



BWN 3985 0600 W9RCW. BEN 3985 1200 KE9VU. WSN 3985 1730 K9FHI. WNN 3723 1800 KB9ROB. WSSN 3645 1830 N9BDL. WIN-E 3662 1900 WB9ICH. WIN-L 3662 2200 W9UW.

It is with deep regret that I inform you of the passing of Walt Reid, W9CUZ, age 68. Walt was a member of the Milwaukee Repeater Club. Also, Ken Jacobchick, W9CCZ is a S.K. Ken was member of the MRAC.

Our congratulations to Dick McNew, WB9PTC, for his MRAC certificate of appreciation with on-the-air code practice, helping new hams, and promoting ham radio.

Bette and Art Kratz, KF9ZU and N9TD, respectively, will be retiring to Arizona.

Bette was our ARRL ACC and WNA secretary. Both have been very active in Wisconsin amateur radio and will be missed by all. Our best wishes to them in the sun country.

Our congratulations to David, KB9SGY, and to Jane, KB9USE, for upgrading to General!

Where have all the Elmers gone? We need more amateurs who would be willing to help newcomers into the hobby. Let's not be too busy to open up our arms to the new hams in the club meetings. Many are just there to feel out the club before making a commitment. You have one or, maybe, two shots to make these folks welcome. Don't miss this opportunity to get them involved in club activities!

The FCC will soon begin the CORES registration system. Hams who registered under the ULS before mid-June should already have a FRN. New amateurs should contact the FCC to apply for one using their TIN or SSN. Do it now!

73, Don,
<W9IXG.eboard.com>

QCWA/162 to host 2001 convention and Caribbean cruise

Continued from front page

sailing.

CATEGORY	PRICE	ROOMS HELD
N-Inside room, two lower beds	\$649	2
LL-Inside room two lower beds	\$679	8
L-Inside room two lower beds	\$699	10
K-Inside room two lower beds	\$719	10
G-Outside room one double bed, one sofa bed	\$809	10
F-Outside room, one double bed, one sofa bed	\$829	10
E-Large outside room, two lower beds	\$869	20
D-Large outside room, two lower beds convert	\$909	20
C-Deluxe outside, two lower beds convert	\$979	10

All rates are per person, based on double occupancy and are subject to availability at the time of booking. Port charges, air transportation (if requested), air taxes and government fees are additional. Other stateroom categories can be requested and are subject to availability. Rates for single, triple and quad occupancy are available on request.

There are a number of additional cruise perks that we hope to include for your enjoyment. At this writing we have confirmed an on board ship complimentary cocktail party; are working with a radio manufacturer to set up a HF station for the duration of the cruise; are trying to arrange a luncheon with the Virgin Island Radio Club on St Thomas; and are striving to arrange for a cash rebate on each cabin.

There are a number of entertainers that hold Amateur Radio Licenses. Depending on time and availability of these entertainers, we will be able to include them in the cruise line book their entertainment.

during the evening hours. They would be available to socialize with our group during the day.

There are still many details to work through, but one thing is for certain; this will be one of the grandest adventures you have ever enjoyed. Just ask anyone who has cruised before, and plan to join us.

Questions and requests for additional details can be directed to Larry McCalvy, WA9JMO, by telephone at (262) 639-7327 or by email to <wa9jmo@wi.net>.

Atlantis delivers ARISS ham radio gear

The ARISS (Amateur Radio on the International Space Station) initial station gear is now temporarily stowed aboard the Functional Cargo Block module of ISS. The initial station will use an existing antenna that will be adapted to support 2-meter FM voice and packet. The ARISS equipment will get a more-permanent home aboard the Service Module in 2001, along with VHF and UHF antennas.

Plans call for amateur TV, both slow scan and fast scan ATV, a digipeater and relay stations. The downlink and uplink frequencies have not yet been announced.

Planning for the deployment and use of the ham system aboard ISS has been an international effort coordinated by NASA's Goddard Space Flight Center. The effort began in 1996 with the formation of the Amateur Radio International Space Station organization. ARISS is made up of delegates from major national Amateur Radio organizations, including AMSAT.

More information about the project can be found on the ARISS web site at:

<<http://ariss.gsfc.nasa.gov>>

AMSAT news service

Interested in APRS?

Point your web browser to www.bss.org and click on the Automatic Packet Reporting System link in the menu bar at left. It will take you to WJ9H's site, where you'll find a fine introductory series of articles. It's well worth a look.

Phase 3D set for Halloween launch

The next-generation Phase 3D Amateur Radio satellite is set for launch on Halloween! The launch agency Arianespace said that in addition to Phase 3D, an Ariane 5 rocket would attempt to orbit the PAS 1R communications satellite and two other payloads, STRV 1C and STRV 1D, on Tuesday, October 31. The launch will take place at the European Spaceport in Kourou, French Guiana.

AMSAT-Germany Executive Vice President Peter Guelzow, DB2OS, who's heading up the launch campaign, was a bit more tentative about the launch date. He called October 31 "the start of the launch window" and said it was the earliest date on which the launch could take place.

AMSAT officials were encouraged by the successful September 14 Ariane 5 launch that placed two communication satellites in orbit. A launch using an older generation Ariane-4 rocket is scheduled for October 7.

Guelzow reports launch preparations for the October 31 Ariane 507 Phase 3D flight officially got under way September 18 in Kourou and are proceeding "on target." Guelzow is pinch hitting for Phase 3D Project Leader Karl Meinzer, DJ4ZC, who was unable to make the trip.

AMSAT News Service says the RUDAK computer team, the RF team and members of the electronics team from AMSAT-NA already have completed their work and returned home. Electronics team members

from Europe this week were wrapping up their tasks and preparing to leave. Five of the six bays around the satellite's circumference have been secured for the final time; the sixth bay has been prepared to load fuel. Thermal blanket additions have also been completed. Final tests have been made on several detectors -- such as the sun sensor -- and the solar cells were being mounted on the satellite and will be connected to the battery chargers.

Once everything is ready, the rocket and the satellite payload packages it will carry will be integrated in the Spaceport's Final Assembly Building.

Guelzow reminded operators planning to use Phase 3D after launch that it could be a few months after launch before Phase 3D is ready for routine operation. The actual time depends on several factors including orbital parameters and the work needed to nudge P3D into its final elliptical orbit. Guelzow said that satellite operators worldwide "can rest assured that every effort will be made to initiate operations at the first possible opportunity consistent with flight operations."

The launch team has established a Web site that includes photographs of the team preparing the satellite. It's at <http://www.amsat-dl.org/launch/>. For more information about Phase 3D, visit the AMSAT-NA Web site, <http://www.amsat.org/>.

The ARRL Letter

Recycled ICBM puts ham satellites into orbit

Three Amateur Radio satellites were propelled into space September 26 aboard a converted Soviet ballistic missile. The launch reportedly took place at 1005 UTC from the Baikonur Cosmodrome.

Now in low-Earth orbit are SaudiSat-1A and SaudiSat-1B and TiungSat-1. The satellites appear to be functioning and are being commissioned by ground controllers. The launch vehicle, a Dnepr 1 rocket, is based on the Soviet SS-18 "Satan" ICBM -- a ballistic missile reworked for peaceful purposes.

The SaudiSats will be able to operate 9600 baud digital store-and-forward as well as analog FM repeater mode. The uplinks will be on VHF and the downlinks in UHF (Mode J). The downlink for SaudiSat-1A is 437.075 MHz; the downlink for SaudiSat-1B is 436.775 MHz. The uplinks will be published after the satellites have been checked out and commissioned.

Jim White, WD0E, reports that both SaudiSats have been turned on and are running the initial housekeeping task. He says the downlinks are only on when the satellite is over ground stations that are participating in the commissioning process.

TiungSat-1 is Malaysia's first micro-satellite. For amateurs, it will offer FM and FSK (at 9.6, 38.4, and 76.8 kHz) with uplinks at 144.46, 145.85, and 145.86 MHz and

downlinks at 437.300, 437.325, 437.350, and 437.375 MHz. The satellite also carries land and weather imaging payloads.

Chris Jackson, G7UPN, reports TiungSat was activated from the 9M2MCS command station on September 27. "Excellent telemetry was received showing that the spacecraft was in good health," he said in a posting to the AMSAT reflector. Jackson said the spacecraft currently is transmitting telemetry on 437.325 MHz. The flight software was to be loaded this week. "With only one pass night and morning over Malaysia it will take some time to get everything running," he said.

TiungSat -- named after the mynah bird native to Malaysia -- was developed as a collaborative effort between the Malaysian government and Surrey Satellite Technology Ltd. of the UK. For more information, visit <http://www.ee.surrey.ac.uk/CSER/UOSAT/missions/tiungsat/team.htm> and http://www.yellowpages.com.my/tiungsat/tiung_main.htm.

The Dnepr 1 booster also launched a pair of Italian commercial satellites.

--AMSAT News Service; Bruce Paige, KK5DO; Space.com; TiungSat

The ARRL Letter

Hello there? You Called? I'm right here!

This photo was taken during the 2000 run of the Great Circus Train. Bob Goldstein, K9KJT, genial comm team leader from Milwaukee AREC, Inc., intently listens to traffic on a 2-meter frequency as the train rolls along through the beautiful Wisconsin countryside. As soon as we know the dates for the 2001 run of the train, we will pass them along. If you haven't seen the train, you owe yourself!

K9ZZ photo



Computer Trade-in Sale!



Jake Kitzinger, K9XZ

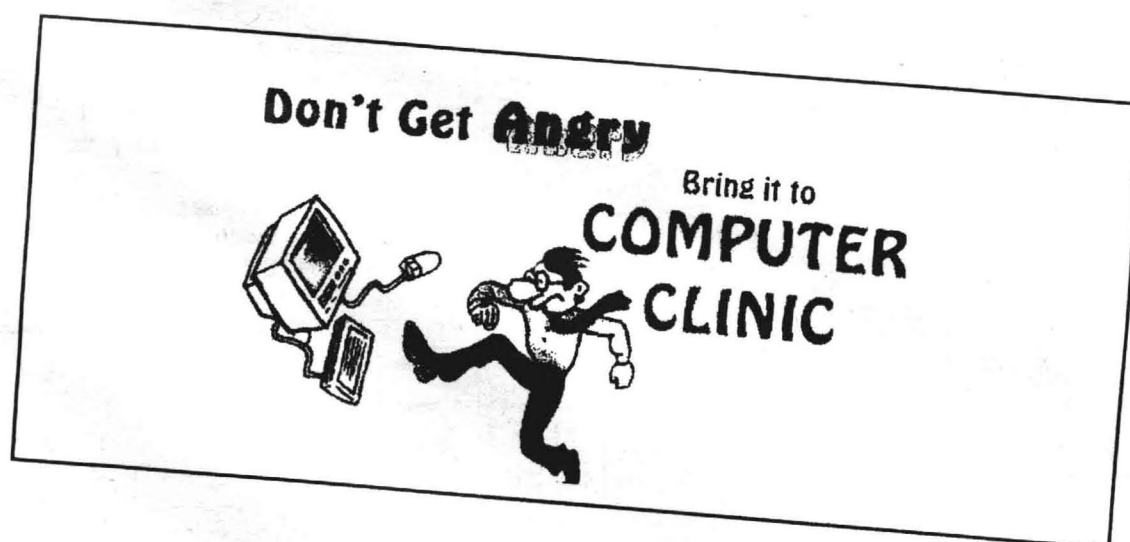
Trade in your older - slower - outdated - tired - working computer,
on a New Computer at

Computer Clinic!

The current value will be based on the Current "Orion Blue Book".

Minimum "Trade-ins" will apply.

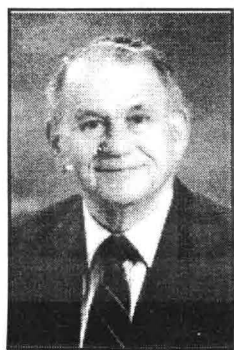
Sale ends October 14, 2000



Wisconsin Computer Clinic, Inc.
216 W. Wisconsin Street
Portage, WI 53901
608-745-4086
1-877-711-4086
www.wis-net.net

The Computer Corner

By Stan Kaplan, WB9RQR • 105 Martin Drive
Port Washington, WI 53074-9654
(262) 284-9346
skaplan@mcw.edu



No. 83: REAL AND PROTECTED MODES – MALE AND FEMALE?

While preparing a lecture recently for my Computer Architecture class, it became clear to me that the differences between computer memory modes are a lot like the differences between male and female human beings! Although I risk being "politically incorrect", let me explain by pointing out some male/female differences that are more or less generally accepted today in many medical/scientific circles. The differences exist because the sexes seem to emphasize the use of different parts of the brain, which makes for a different approach to the way we do tasks. Now, please be cautious in your interpretation of my statements. I am generalizing – emphasizing the differences you would find if you surveyed the personality characteristics of 1,000 men and 1,000 women. There are always exceptions to generalizations.

Nevertheless, some valid generalizations can be made. Generally speaking, men seem to be oriented more toward single tasks. The majority of men seem to prefer focusing on a single task and carrying that task to completion before starting another. Maybe that is because when we were still living in caves, it was necessary to stay quite focused in order to survive – while out hunting, for example. Staying focused on a single task probably helped us to keep from being dinner for some creature who was also out hunting for food. At any rate, we still today tend to focus best on a single activity. Wives sometimes view this negatively, and complain that their husbands "just do not listen". They come in to the TV room while hubby is watching a game and say something like "Dear, please take out the garbage, and don't forget to pick up some milk on the way home after work tomorrow". Hubby grunts acknowledgement, but promptly forgets both tasks assigned to him. The wife just does not realize that hubby was focused on the game so intently that everything she said went in one ear and out the other! A gentle smack with a 2 X 4 might have helped to shift his focus enough to make the task list stick! The intense focusing ability probably helped us stay alive eons ago, but it sure doesn't help keep marital peace today!

Women, on the other hand, do wonders when working at multiple tasks, all at the same time. A wife can be minding a batch of kids, whipping up a wonderful pot of something or other for dinner, talking on the telephone and paying bills, all simultaneously. Women are simply much better at handling multiple jobs at once. A guy, trying to accomplish the same tasks, would focus on the bill paying, to the exclusion of all other distractions, until that was finished. Then he would move on to the next task. Meanwhile, the kids would have destroyed the house and dinner would be burned to a crisp. Oh, yes, the answering machine would be full, too.

Well, guess what? DOS is just like a human male. It is a single-task operating system. When you run a program from DOS, it is the only program that runs, for while it is running, no other program can. Moreover, DOS lets the program take control of all memory resources (up to the maximum of 1 megabyte), directly. The program does not have to ask permission to use memory. When it is done with its job, it closes and relinquishes control to DOS. Then, and only then, can another program be started. DOS has only a 16-bit data path, which simply means, it has 16 wires over which it can send and receive data. Computer nerds call DOS a "Real Mode" operating system. Indeed, a synonym for Real Mode is DOS Mode.

Windows 95/98, on the other hand, is much more like a human female. It is a multitasking operating system, which means that more than one program can be running at the same time. On the other hand, to keep peace between programs, Windows manages all memory. If a program needs some, it must ask Windows "please, can I have 700 kilobytes of RAM to store information while I am manipulating it?" Windows make the allocation but reminds the program that "you gotta give it back to me when you are done!" There are some additional advantages to this type of system. Programs can have more than a maximum of 1 megabyte of memory while they are running. Moreover, the operating system can use 32 wires to send and receive data, instead of just 16. This type of operation is dubbed "Protected Mode". Actually, Windows 95/98 is even more flexible. It can switch back and forth between Real Mode and Protected Mode as necessary. That is why we can still run

DOS programs in Windows.

Well, there you have a fair definition of the difference between Real and Protected Mode operating systems. One is DOS and the other is Windows, right? Well, it is not quite as simple as that. Neither Windows 95 nor 98 are DOS-free, stand-alone operating systems. Both are just a DOS operating system enhancement, called a GUI (Graphical User Interface). You see, DOS underlies both Windows 95 and 98, and DOS elements start your computer long before Windows takes over. You don't believe it? Look in your C:\WINDOWS\COMMAND subdirectory, and you will find all the old DOS programs right there. FDISK, FORMAT, LABEL, MODE, MOVE, SCANDISK, XCOPY are all there, just to name a few. When you ask Windows to format a floppy disk, it replies "sure", then turns around and asks DOS to do it! That is why it takes up to 40% more time to format a disk in Windows, as compared to DOS. Windows is just an intermediary! Happy computing.

Reprinted, by permission, from the ORC Newsletter, Ozaukee Radio Club (Ted Schweitzer, KB9RLI, Editor, 126 Lilac Lane, Belgium, WI 53004. <theo@execpc.com>).

IARU monitors seek reports on unlicensed operation

In an effort to better document the extent of unlicensed operation on Amateur Radio frequencies -- particularly 10 meters -- the International Amateur Radio Union Region 2 Monitoring System is surveying member societies about the extent of the problem. The ARRL is soliciting reports from US hams to supplement its response to the survey.

"At the peak of the sunspot cycle, CB-like operations become more and more apparent on the highest HF band," says Brennan Price, N4QX, administrator of the ARRL Monitoring System.

Price says that on September 28 alone, the ARRL received three reports of such activity on 10 meters. "John Hennessee, N1KB, and I took turns monitoring at headquarters station W1INF and noted 12 such stations in about 15 minutes of listening time -- all using AM between 28.0 and 28.1 MHz," he reports.

In order to provide statistical backing for ARRL's survey response, Price is soliciting reception reports from amateurs for the two-week period October 1 to October 14. Observations should include date and time in UTC, frequency, mode of the transmission, language (if known), and any notes that might assist in identifying the source. Observations should also be limited to amateur frequencies, focusing on 10 and 12 meters.

Price emphasized that operations on the

so-called "freeband" between 10 meters and the 11 meter Citizens' Band are not a topic of this survey.

Price urged monitors to use caution before documenting a transmission as probably unlicensed. "Most countries do not mandate a segregation of voice and digital modes, as the US does," he pointed out. "A phone transmission between 28.0 and 28.3 MHz is not necessarily illegal in the country where that transmission occurs, and if valid amateur call signs can be made out, the transmission should not be reported." Price notes, however, that lower sideband and AM transmissions between 28.0 and 28.1 MHz usually are unlicensed "and may be treated with suspicion."

ARRL Executive Vice President David Sumner, K1ZZ, said he believes the best short-term solution is for amateurs to get on the air and use their frequencies. "Illegal operation on 10 meters declines on a contest weekend," Sumner says. "If that volume of stations would operate more often, perhaps these intruders would look elsewhere for an open frequency."

E-mail reports to Brennan Price at n4qx@arrl.org. All reports will be acknowledged, and respondents will receive a summary of the survey results via return e-mail.

The ARRL Letter

W9CKQ Honored



Al Marini, W9CKQ, left, is presented with a Grand Certificate of Recognition for outstanding support to the Southeastern Wisconsin Ham Banquets during the past ten years. The award is being presented by Larry McCalvy, WA9JMO, president of the Quarter Century Wireless Association Southeastern Wisconsin Chapter 162.

Photo courtesy Larry McCalvy, WA9JMO

THANK YOU
FOR READING BADGER STATE SMOKE SIGNALS



VARI-NOTCH® DUPLEXERS FOR 2 METERS

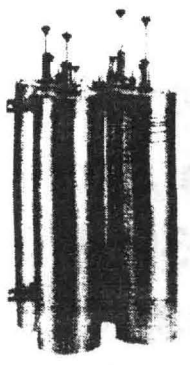
The TX RX Systems Inc. patented Vari-Notch filter circuit, a pseudo-bandpass design, provides low loss, high TX to RX, and between-channel isolation, excellent for amateur band applications. TX RX Systems Inc. has been manufacturing multicoupling systems since 1976. Other models available for 220 and 440 MHz, UHF ATV and 1.2 GHz.

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19" RACK MOUNT

PARTICIPATING CLUBS AND ORGANIZATIONS

Mancorad Radio Club

Theresa Hartlaub, KB9KXE,
Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204



2-Meter Repeater: 146.01 Input/146.61 Output

Meeting Minutes September 13, 2000

After a 3 month summer break, the September meeting of the ManCoRad Radio Club was called to order by President Fred (W6BSF) at 7:34 p.m.

The May meeting minutes were approved as printed in the Badger Smoke Signals by motions by Steve (N9PBL) and Ron (WS9X). Roger (W9NPX) gave an updated treasurer's report for the past 3 months. The report was approved by motions by Gene (KB9KXF) and Steve (N9PBL).

Fred (W6BSF) led a discussion on the May Hamfest. Profits were comparable to previous years. We have not renewed our lease with Expo for next year, and there is serious question if we will again have the hamfest. Other options for a fund raiser were raised, such as brat fries. More discussion on this in the future.

The club received correspondence from the city of Manitowoc terminating our lease for the club shack. We must vacate by Friday, June 1, 2001. Fred (W6BSF) felt we will probably be able to move a lot sooner than that. He will be touring our new facility off Waldo Blvd. soon. We should then find out if we are getting both upstairs rooms or just the one. The club will need to do some renovations to accommodate our club needs. Hopefully we will be able to put up the tower we got from Red Cross.

Fred reminded everyone of the annual club picnic. It will be held on Sept. 30th, at Lincoln Park. The club will provide meat and buns, some soda and paper products. Everyone is asked to bring a dish to pass. Dinner will be served at 12:00. A T-hunt will again be run with prizes to the top 3 finishers and horse shoes will be available. Please contact Fred (W6BSF) if you are attending so the board can get a count. In previous years all those attending had a wonderful time and we look forward to another good picnic. Thank you Fred for once again organizing this event.

Fred gave an updated report on the Cobia Event which was held in April. The club officially did finish in first place with 721 contacts being made. The club was presented with a beautiful plaque during the Cobia reunion held on 8-18-00. Roger (W9NPX), Denise (N4WGK), and Bob (KB9INK) represented the club in receiving the honor. Thank you for being there. There were also photos of the group. It will again be held next April, usually the last weekend. The club will try to repeat the win.

Steve (N9PBL) reported on the Leukemia Bike-a-thon held in July. The number of riders did increase this year. The volunteers were able to help numerous riders to get on their way. The organization was extremely grateful for our help and has already expressed hope that we will be there again next year to help. Steve thanked all those who took time to help with this event. We thank Steve for once again running this important event.

The club was also reminded of the 3rd highway clean up. It will be held on Sept. 27th. Volunteers will meet at 6:00 p.m. at the Two Creeks town shop. This will be the last for the year. The club should discuss at a later meeting if we are going to continue this. It has been hard to get volunteers to do the job. A vote will be taken at the November meeting.

Club elections will be held in October for all positions, including board members. Roger (W9NPX), Vic (WB9VYO), and Don (KB9NTL) volunteered to call all members to see if anyone is interested in running. So everyone, give it serious thought to running this year.

Fred (W6BSF) has taken time to update our Membership Application/Renewal Application form. It contains information for the club to update its files. More on this in the quarterly newsletter put out by Fred (W6BSF).

A suggestion was made to donate some monies to the Maritime Museum Building Fund. Discussions will be held in future meetings. A general feeling from the group was that this was a very good idea. No decision on an amount was made.

Roger (W9NPX) reminded everyone that dues are DUE by the end of December. Everyone is asked to please get the monies in to Roger by then.

The December meeting date needs to be changed because of a conflict at the bank. The meeting will be held on Thurs., Dec. 14th at the bank.

Tom (KB9GRC) brought up the idea of being in the local holiday parade. A lively discussion followed with many club members interested in organizing this. Gene (KB9KXF) volunteered the truck and generator. The club has a large banner which can be used. Denise (N4WGK) will look into the specifics of entering the parade and the theme this year. More discussion at the October meeting will be held. This would be a good way to advertise our club and have some fun too.

Our attendance drawing was held with Karl (KA9WYK) being drawn. He was not here so the pot goes to 8.00.

The meeting was adjourned at 8:40 by motions by Ron (WS9X) and Denise (N4WGK).

Submitted for Approval:
Theresa Hartlaub (KB9KXE)
Secretary

Membership Attendance

Fred W6BSF	Chuck N9WUN
Roger W9NPX	Bob KB9INK
Theresa KB9KXE	Don KB9NTL
Gene KB9KXF	Vic WB9VYO
Erv W9OMO	Tom KB9GRC
Steve N9PBL	Jim KB9GOX
Ron WS9X	Denise N4WGK

Wisconsin Nets Association Ltd.

Dean R. Herriges, KB9ROB, Secretary
W370 S9590 Highway 67 • Eagle, WI 53119

WISCONSIN NETS

Net	WNA	Freq.	UTC	CST	Manager
BWN	Yes	3985	1200	0600	W9RCW
BEN	Yes	3985	1800	1200	KE9VU
WSBN	Yes	3985	2330	1730	K9FHI
WNN	Yes	3723	0000	1800	KB9ROB
WSSN	Yes	3645	0030	1830	N9BDL
WIN/E	Yes	3662	0100	1900	WB9ICH
WIN/L	Yes	3662	0400	2200	W9UW
RCRA	No	01/61	0130	1930	KA9OMC
(Mondays CDT) (Menomonie Area)					
Gr. Bay	No	72/12	0345	2145	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0300	2100	
(South East/South Central Wisconsin)					

STM Report • August 2000 Wisconsin Section

We could use some help with additional net controls. Please volunteer when you can.

Acting on Acronyms

To save time, the hobby often makes use of abbreviated forms. Of course, there are the standard abbreviations in electronics, E, I, R, P, Hz, etc., and when using Morse code (CUL, BCNU, AGN, TU) but the traffic part of the hobby makes use of some acronyms as well. They're most evident on the CW (there's a good one) nets, but their equivalent can be a shortened phrase on (SSB, FM or AM) as well.

We know that a Net Manager (NM) appoints each Net Control Station (NCS) of a section net, and the NCS checks in a station coming or going to the Ninth Region Net (9RN REP), as well as a representative going to the Wisconsin Intrastate Net (WIN) in the evening. The WIN, by the way, comes in two flavors -- WIN/E (the early session at 7 p.m.) and WIN/L (at 10 p.m. when the late 9RN traffic comes in). See how handy those abbreviations are?

While handling traffic, some common prosigns - and their voice equivalent - are

AA - All After (Please send all of the text before. . .)

AB - All Before (Send all of the text after. . .)

ARL - used in the check to show there's an ARRL numbered radiogram in the text

BK - Break (a pause for a quick check on phone or separation between address and text, text and signature

CFM - Confirm (Did I get this right?)

CK - Check (the number of words in the text)

N - Nope -- or no more messages to follow

R - Roger -- or a decimal point in CW [This makes for a little confusion when messages are numbered with a decimal point, since it gets mixed up with the precedence (usually Routine). So Message number 3.2 Routine with a check of 3 on CW starts "NR 3 R 2 R 3." An Operator needs to be alert - - but then, the world needs more lerts.]

WA - Word After

WB - Word Before

Abbreviations and standard terms, just like net procedures, help because we all agree on what they mean. GL and BCNU on the nets.

73, K9LGU / STM

MONTHLY NET ACTIVITY SUMMARY August 2000

NET	QNI	QTC	QTR	SSNS	NM
BWN	1223	1607	2325	31	W9RCW for
BEN	448	50	679	30	KE9VU
WSBN	437	48	695	27	WB9WHQ
WNN	110	13	316	31	KB9ROB
WSSN	198	20	309	31	N9BDL
WIN/E	202	59	290	31	WB9ICH
WIN/L	182	60	329	31	W9UW
TOTALS	2800	1857	4649	212	
STATION ACTIVITY SUMMARY - August 2000					
STATION	ORIG	RCVD	SENT	DLVD	TOTAL
K9JPS	0	465	43	452	960 - BPL
W9IHW	0	444	38	397	879 - BPL
W9YU	0	259	293	0	552 - BPL
W9RCW	0	253	4	238	495 - BPL
N9TVT	1	124	349	1	475
K9GU	0	196	32	188	416 - BPL
W27V	0	182	37	164	385 - BPL
W9CBE	0	70	75	3	148
K9FHI	0	32	84	0	116
N9BDL	0	21	60	1	82
K9LGU	1	55	20	1	77
AG9G	0	11	57	0	68
KE9VU	0	22	39	0	61
N9CK	0	27	33	0	60
W9YCV	0	19	34	6	59
W9UW	0	35	8	1	44
KB9ROB	0	34	5	0	39
N9KHD	0	13	21	0	34
K9HDF	0	1	32	0	33
W9BHL	0	0	31	0	31
AA9BB	0	3	27	0	30
WB9ICH	0	21	5	0	26
KG9B	0	3	23	0	26
KA9BHK	1	2	19	2	24
N9JY	0	5	7	5	17
W9ODV	0	1	13	0	14
W9FLJ	4	4	4	2	14
KA9FVX	0	1	7	1	9
K9UTQ	0	0	6	0	6
W9PVD	0	0	1	0	1

P S H R SUMMARY - August 2000

CALL	1	2	3	4	5	6	7	8	TL
K9JPS	42	21	24	452	0	10	0	0	549
W9RCW	40	0	0	238	0	30	10	0	318
K9FHI	60	24	24	0	0	30	10	30	178
N9BDL	60	24	24	1	0	30	0	0	139
W9YCV	60	24	24	6	0	20	0	0	134
W9CBE	60	24	24	3	0	20	0	0	131
K9LGU	60	24	24	1	1	20	0	0	130
W9FLJ	37	0	21	2	4	20	10	30	124
N9TVT	60	24	24	1	1	10	0	0	120
AG9G	60	24	18	0	0	10	0	0	112
KA9FVX	43	0	0	1	0	10	0	0	54

Art and Bette head for warmer climes; new Affiliated Club Coordinator appointed

Art (N9TD) and Bette (KF9ZU) Kratz packed up and moved to Arizona where they won't have to battle Wisconsin's winter weather. Bette reports they are getting settled in out there and have attended at least one radio club's meeting. She says there are several, and they will choose one. Bette had served as Wisconsin's ARRL Affiliated Club Coordinator.

Taking Bette's position as ACC is an oldie but a goodie, Roy Pedersen, K9FHI, the jovial voice of Juneau.

We extend our best wishes for full, healthy and happy lives for the Kratz family in the sunny southwest!

<http://www.bsos.org>

Lakeshore Repeater Association

147.270 MHz • Racine, Wisconsin

**Larry McCalvy, WA9JMO • 5400 Six Mile Road
Racine, WI 53402-9741 • wa9jmo@wi.net**

Lakeshore Repeater Association Update October 2000

Please make note that the quarterly repeater meeting will be held on the fourth Tuesday in October. October 24, 2000 beginning at 7:30 p.m. in the lower classroom of the Racine Red Cross, 4521 Taylor Avenue in Racine. The evening's agenda will include an update on the new location for our 70-cm machine and antenna.

We have received a written lease agreement from the tower owner and at this writing your board of directors is working to comply with the lease requirements.

We also need to contact a commercial tower climber, acquire the needed transmission line, and

set a date to install the antenna and repeater. We will be in a better position by the meeting date to give you a more detailed report on what has transpired and what is still needed to once again place our 440 machine on the air.

We will also elect Lakeshore's officers for next year. Paul Smedegaard, N9RGW, the nomination chairman, has submitted the following candidates for your consideration: Larry McCalvy, WA9JMO, for president; Dave Whitham, K9DQ, for vice president; Fern Fisher, W9LCJ, for secretary; and Bob Jensen, W0WLN, for treasurer. Just prior to our election, the nominating committee will ask for additional nominations from the floor for the four positions.

73, Larry McCalvy, WA9JMO, President

Wisconsin Association of Repeater

**Mark Heimmermann, KF9CS, Secretary
1523 E. Moonbeam Tr. • Appleton, WI 54915**



WAR minutes for September 9, 2000

The meeting was called to order by the Chairman, Gary Bargholz, at 1:08 p.m. It was held at the Chalet Motel in Mequon, WI.

Introduction of members and guests

KF9CS	Mark Heimmermann
N9UUR	Gary Bargholz
WA9JOB	Nels Harvey
K9DQ	David Whitham
WA9JMO	Larry McCalvy
K9IZV	Warren Schall
N9GHE	Rodney Pajula
WB9TYT	Dan Bolander
N9QA	Dave Knaus
W9MQD	Maurice Hepe
W9ATK	Jack McLeland
K9OQO	Jim Sheetz
KB9UIZ	Luke Basic
KA9FUR	Dave Karr
N9OSK	Shawn Mielke
K9LCQ	Brian White
K9QLP	Jim Albrinck

Secretary's Report

There were no additions or corrections to the minutes. Dave Knaus, N9QA, made a motion to accept the minutes of the last meeting as printed in the newsletter. The motion was seconded by Dan Bolander, WB9TYT, and approved by the members present.

Treasurer's Report

Jim Sheetz, K9OQO, handed out a statement for the last 4 quarters. The balance for September 9, 2000 is 2186.62. There were no outstanding expenses at the time of the report. Mark

Heimmermann, KF9CS, made a motion to accept the Treasurer's report as presented. The motion was seconded by Rodney Pajula, N9GHE, and approved by the members present.

Jim provided a detailed Treasurers report for the previous year. Gary, chairman, appointed Nels Harvey, WA9JOB, to conduct an independent audit of the report and e-mail his findings to the board.

Newsletter Report

Ray wants to retire as the newsletter editor. He has been doing it for a number of years. The Board is actively looking for an editor for the newsletter. The newsletter is published 4 times a year. The editor's responsibilities include producing camera ready copy. This, along with the labels from the WAR secretary, are submitted to the printer. The printer handles all the copying, correlating, folding, labeling, stamping and mailing of the newsletter. Ray will help the new editor during the transition. If you are interested in editing the WAR newsletter please contact a board member.

Coordinator's Report

Of the 300 coordinated repeaters about 100 have renewed this year. Those not current will not be listed in the 2000-2001 ARRL Repeater Directory. In an effort to correct the situation Dave sent about 100 letters to people who have not updated in the last two years. The letter contained a pre-completed form. If there were no changes the trustee could just sign and return the renewal. Dave's next step is to start de-coordination of repeaters that still have not responded. Please check the WAR web page to verify that your coordination status is up-to-date.

There was a discussion of ways to increase

Quarter Century Wireless Association Southeastern Wisconsin Chapter 162

**Larry McCalvy, WA9JMO
5400 Six Mile Road
Racine, WI 53402**



Our Chapter would like to thank Phil, KC9IS, and Loraine, KB9VLN, Neumiller for hosting our September meeting in their very lovely home. Phil had surprise "door prizes" for each attendee, coffee and a few goodies to nibble on during the meeting. At the conclusion of the business portion of the night's activities, Phil gave an enlightening "show and tell" demonstration of PSK-31. Very informative!

On the 16th of September, several chapter members traveled to the western end of Kenosha County to show the wonderment of Amateur Radio to a group of youngsters at a local Boy Scout Camp. Small problem; we were told to be there on the 16th and the youngster were told the 23rd. Not to be discouraged, the gang decided to sample the culinary skills of a nearby restaurant since they were already in the area. While walking up the large stoned gravel driveway, Spencer Clope, W9LDH, dropped his 33rd Degree Masonic Ring. The Ring, award 37 years earlier, was a very prized possession. And fate, on that day, smiled down on Spence. When Spence returned home, he received a call from a waitress at Julia's Restaurant. She said as she walked up the drive going to work, she saw the ring lying in the stones. Inscribed on the ring's inner side, was Spence's identification. With a little detective work,

she was able to locate and return the ring to its owner. Three cheers for the folks who go the extra mile!

Our annual meeting and election will take place at Bentley American Grille at the Marriott Hotel, 7100 Washington Avenue in Racine on Sunday, October 22nd, beginning at noon. Bentley's wonderful buffet will be a great joy to participate in since the Chapter picks up the tab for each attending member and guest. After the meal the membership will elect four Directors to two-year terms.

The nomination committee has submitted the following six candidates for your consideration: Lloyd Gorsiski, WB9RGO; Spencer Clope, W9LDH; Chuck Knotek, W9GKM; Fern Fisher, W9LCJ; Herb Ladwig, W9PHJ; and Ken Knoff, N9NBC. The four leaving office are: Ed Konicek, W9NVK; W9LCJ; W9LDH; and Bill Komistra, W9OVZ (Silent Key). The three remaining Directors are Larry McCalvy, WA9JMO; Bob Jensen, W0WLN; and Ron Fox, K9AKH. After the election, the four newly elected Directors will join the remaining three to select the officers for next year. Post card reminders will be sent to all members on or around the 10th of October. I hope to see all of you on the 22nd of October.

73, Larry McCalvy, WA9JMO, President

renewals with no clear winner. If you have a good idea to reduce Dave's effort contact him or one of the board.

Nels thanked Dave for the fine job he has done as frequency coordinator. Everyone applauded Dave for his efforts.

WAR Policy Document

Dave published WAR's Policy Document on the web. It contains only minor grammatical changes to the original version. Nels, WA9JOB, made a motion to accept documents as published on the web. The motion was seconded by Jim Sheetz, K9OQO and approved by all present.

WAR Band Plan

Dave presented a WAR Band Plan. The plan is specific to operations in the state of Wisconsin. It is a formal listing of where things should be and not be. The Band Plan is available on the WAR web page. The plan contains a Grandfather clause for any coordinated frequencies outside of the published Band Plan. They are still protected as long as coordination is maintained.

Nels, WA9JOB, made a motion to accept Dave's proposal as the WAR Band Plan and to make it part of the WAR's Policy Document. The motion was seconded by W9ATK.

A discussion resulted about using 145.23 as a SNP and Marty, N9BMH's machine. With the Grandfather clause Marty's repeater is protected. If problems do occur the other station will have to resolve the situation. The purpose of the SNP frequency is for emergency use, repeater testing and must be for short duration. An example would be an ARES communications vehicle.

A suggestion was made to add input offsets to the band plan, example, for 2-meters +/-600. The Band Plan should be added as an appendix to the Policy Document.

The motion was accepted by all the members present.

Candidacy of George (Dick) Isely W9GIG

Dick is running for Director of the ARRL Central Division. Nels had high recommendations for Dick and his abilities to fill the position. Dick has worked well with WAR in coordinations between Illinois and Wisconsin. He has always worked for the betterment of amateur radio. Dick is a real people person and does not bring along any axes to grind in any of his endeavors.

The members discussed WAR endorsing Dick's candidacy. Rodney, N9GHE, made a motion for WAR to endorse the candidacy of Dick, W9GIG, for Director of the ARRL Central Division. The motion was seconded by Dan, WB9TYT. The results of the voting was: 8-yes votes, 3-no votes and 3 abstains. The motion passed.

Other Business

Dave had a request for a repeater that would exceed WAR's policy for height and ERP. The trustee will have to attend a WAR meeting and present his case to the membership. The case will be voted on by the members present at the meeting.

The Policy Document will need amending to contain the procedure for a trustee to exceed WAR's height and ERP policy.

The next meeting is December 9th at the Outagamie County Red Cross in Appleton. Take US-41 to the Ballard exit south. Stay on Ballard until Wisconsin Ave, US-96. Proceed west on Wisconsin. The chapter office is at the North West corner of Wisconsin and N. Owassa Street. There is a small diner across the street from the chapter.

The meeting was adjourned at 2:23 p.m.

Respectfully submitted:
Mark Heimmermann (KF9CS)
Wisconsin Association of Repeaters, Secretary

BADGER STATE SMOKE SIGNALS

**Subscription Form
Regular Individual Subscription Rate**

1 Year: \$13.95

PLEASE PRINT!

Name: _____ Call Sign (if any): _____

Address: _____ City: _____ State: _____ ZIP: _____

☐ New

☐ Renewal

Send this form, with check or money order, to Ken Ebner, 822 Wauona Trail, Portage, WI 53901.

Please do NOT send cash!
OCTOBER 2000

Editor's Musings

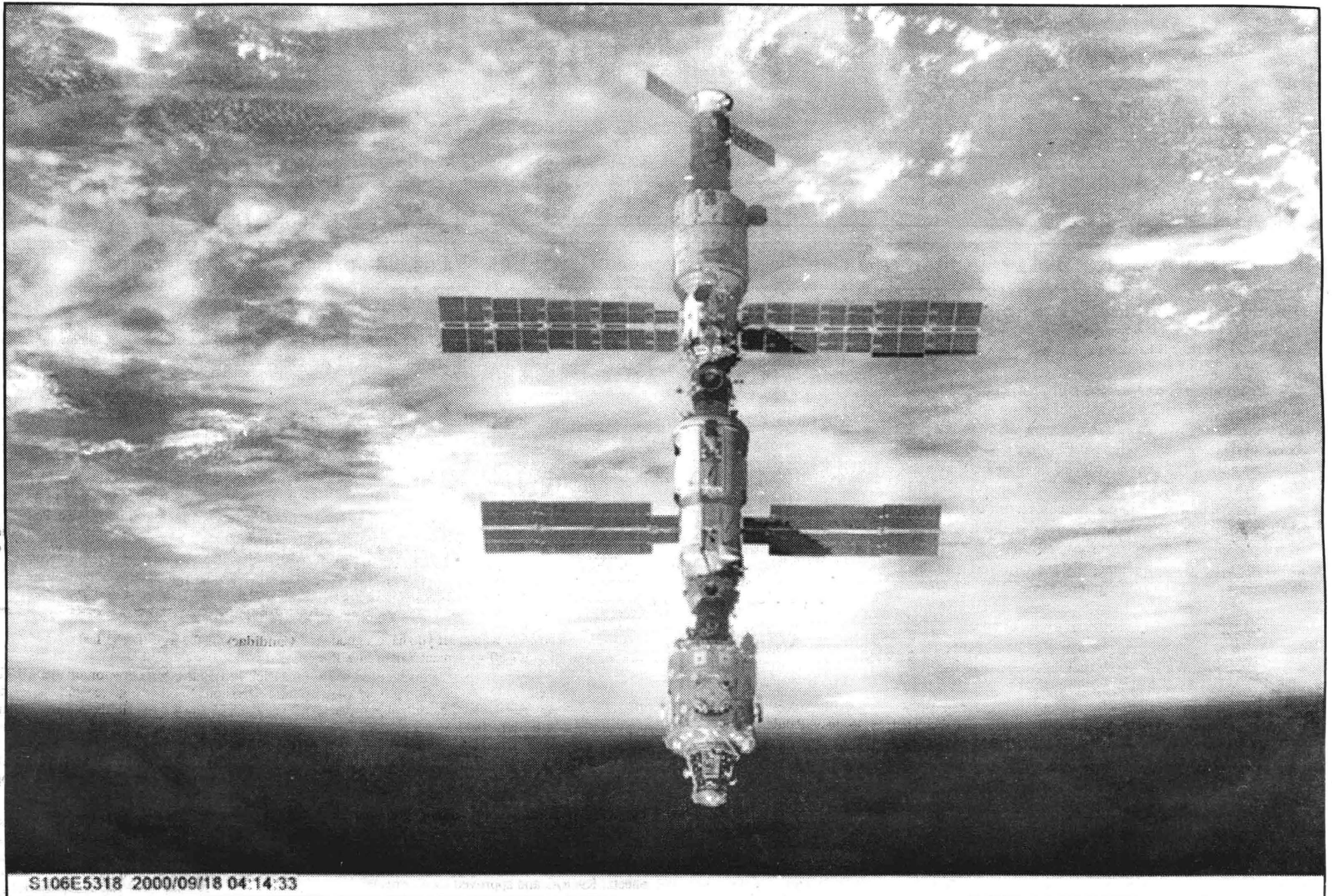
8 In early September, bills were mailed to our advertisers. As of September 28, only two have responded. Please help us save a little money by paying now - that helps us by avoiding a batch of second reminders. Thanks!

8 The Yellow Thunder Amateur Radio Club of the Greater Baraboo/Sauk County metro area (Hey, we can say that; we're getting a Super Wal-Mart, and we also have indoor plumbing!), has a net on wide-range repeater 147.315 Sunday nights at 8 p.m. PL tone is 123.0 Hz. All are invited to check in and join the gabfest.

8 The open house at Resonance Research near Baraboo on September 20 was a big success, with nearly 90 in attendance. A story and photo are on our web site at <http://www.bsss.org>.

8 We still have a dearth of news! Surely there are things your club or group, or just you, are doing that readers might want to know. Write it up, include some photos if possible, and send to us. The addresses are on page 2 of nearly every issue. Thanks! JK

GETTING READY FOR A HOUSE-WARMING



S106E5318 2000/09/18 04:14:33

Now sporting four modules, the International Space Station is taking shape. This view was taken from STS-106, the September Atlantis mission to the ISS. The next shuttle flight, in October, will take a large truss for use in further construction as the orbiting complex becomes much larger. Atlantis delivered the first pieces of ARISS

equipment (Amateur Radio on the International Space Station). The first crew is to head for the ISS in mid-autumn aboard a Russian Soyuz flight, and some limited ARISS activity (2-meter voice/packet) is expected some time after the crew arrives.

NASA photo



SHEBOYGAN County Amateur Radio Club

Sky Borkenhagen, N9XRU, Secretary
N6466 Plank Circle • Glenbeulah WI 53023

2-Meter Repeater: 147.06 Output

After a general discussion on the awesome bird's eye view article featured in the August BSSS the September meeting was called to order by club President Steve, N9TRK, at 7:04 p.m.

There were ten members present. The SCARC meetings are held every second Tuesday of the month in the Red Cross building at 2032 Erie Ave. in Sheboygan. Introductions were exchanged.

The club Treasurer Mike, K9SJ was not able to give a current balance because of the club dues still coming in at this time. The jack posts for the club radio room partition wall were allocated for purchase from the club account, and the mounting fabrication will be completed on the post's during the week end. The scheduling for this upcoming Saturday, September 16.

Sheboygan VE session was confirmed. The a.m. Sheboygan breakfasts were discussed and it was noted by several members that the turnout has been good.

The club's yearly events were discussed and again it was noted that member participation has been good throughout the year. A sincere Thanks! to all who were able to help out.

A fox hunt discussion followed and due to member time constraints the majority felt that at this time completion of the basement radio room project should come first. The meeting adjourned at 8:24 p.m.

Net Schedule

The SCARC 2 Meter net meets Monday nights at 8:00 p.m. on 147.06, PL107.2+. This is a fun net, and all are welcome to join us. Any

members willing to take net control for one or more weeks should contact Steve, N9TRK.

Saturday Morning Breakfasts

The Saturday morning Sheboygan hams breakfasts are held at 8:00 a.m. at the following venues:

1st - Jumes in Sheboygan

2nd - Family Restaurant in Cleveland

3rd - Jumping Jacks at Kohler Sports Core

4th - Park View Restaurant, County PP in Sheboygan Falls

5th - Hill Farm Restaurant, County V and OK in Sheboygan

Email List

If you use e-mail, consider signing up on the Sheboygan Hams mailing list. Simply submit your e-mail address to: <julian@bongo.tele.com>. All e-mail sent to <shebham@tele.com> will be forwarded to all listed subscribers. Thank you, N6ARE, for providing this mail server for SCARC use.

Club mailing address

SCARC, PO Box 1282, Sheboygan, WI 53081-1282

Respectfully Submitted:
Sky Borkenhagen, N9XRU

Quarter Century Wireless Association Southeastern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Racine, WI 53402



In the September issue, we ran the Lakeshore Repeater Club's information, once under their heading, and again under this one. So, since this QCWA column (September's) hasn't been printed, we do so now. We apologize for the error.

Our August picnic fell on a picture perfect day. As our entrees sizzled on the grills, we sampled the assortment of wonderful gourmet delights that each brought to the gathering. The corn, roasted to a golden hue, dipped in butter, and salted to satisfaction was outstanding. Watermelon, provided by Chuck Knotek, W9GKM, put the finishing touches on a very enjoyable meal. Chapter 162 would like to thank John Wozniczka, N9RGV, for his donation of a PSK-31 system. Lloyd Gorsiski, WB9RGO, won the packet setup.

Our September meeting will be hosted by Phil (KC9IS) and Loraine (KB9VLN) Newmiller at their home, 4734 West Knollwood Drive, (south on Ohio St. past Taylor Ave. to Chicory Rd., turn west and drive to Knollwood Dr.). The meeting will begin at 7 PM on Monday, September 18, 2000. Phil has offered to show the group the finer points of a packet PSK-31 operation with a hands-on demonstration.

A motion to change our annual meeting date to

October 22, 2000 was made, seconded and approved. Our president will be in Toronto attending the International QCWA Convention during the period this event was originally scheduled (October 15th). The Annual Meeting and Election will take place at Bentley's American Grille in the Marriott Hotel, 7100 Washington Ave beginning at 12:15 p.m. on Sunday, October 22nd. Please bring your AARP card if you have one, to the brunch, as it is the only discount the restaurant honors. And since the Chapter is picking up the tab, we would like to make it as easy as we can on the treasurer's pocket-book.

There are four director positions up for election this year. The nominating committee - Ed Konicek, W9NVK Chair; Chuck Knotek, W9GKM; and Ron Fox, K9AKH, are looking for candidates. If you are interested in becoming a director, please let the committee know.

A final piece of business dealt with Field Day 2001. The Chapter will again operate QRP battery at Decision Farm; and Ken Knoff, N9NBC, offered his guidance once again as chair of the event.

73, Larry McCalvy, WA9JMO
President

Great Circus Train certificates

Stations who worked W9G on the Great Circus Train get frameable, full color certificates. Sadly, some folks don't send 9 x 12 SASEs, and the certificates are then partly ruined as they have to be folded. Processing is progressing, with about 40% done. The rest are "on hold" as we wait for more ink cartridges for the Alps MD-100 thermal wax color printer. If you are still waiting, we ask for your patience. Finally, if you missed us this year, remember: there are two rigs, but only one operator. We do the best we can. Special thanks to the West Allis Radio Amateur Club for their help in making W9G possible.



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association

Allen Schnepf, NØGMJ, Treasurer
Ogema, WI 54459

Andy Nemec, KB9ALN, Editor · 453 Cottage Grove Avenue · Green Bay, WI 54304 · e-mail: kb9aln@juno.com

WAPR News - October, 2000

by Andy Nemec, KB9ALN

Welcome to October - the pumpkin, ghost and goblin month. Hope your ghosts and goblins are nothing more than the trick-or-treaters coming to your door. In the past couple of months, some of us have not been so fortunate.

The goblin that we have been dealing with in September was really Zeus. Yes, nodes in Clintonville, Rudolph, and Meteor Hills have all been victim of lightning in August and the early part of September. So far, technical people (and there are precious few) have been trying to find the time to make repairs. By the time you read this, all should be back up and running - we hope. If you've been trying to connect up to some of these nodes and have not found them on the air, now you know why.

We're still attempting to make arrangements for a WAPR meeting. We do know that it will be held in Pittsville, where we have had a meeting in the past. We held the meeting in a quaint little restaurant that not only served the purpose well, but also had good food and an atmosphere conducive to great discussion and a generally good time. I am looking forward to this one and hope you can make it as well. As soon as details are available, we'll get you the news through the BBS network and whatever manner we can.

Other news has come my way that is pertinent to a topic of discussion that was seen here in this space last month. If you remember, we talked about packet radio operators relying on the Internet to help complete the packet network. Once again, the amateur packet routing on the Internet was not available to us for part of last month (September). Apparently, an equipment failure was responsible for our lack of access this time. In August, Amateur packet routing through the Internet was voluntarily suspended in an effort to reconfigure servers so that they would not be used to relay Spam (unwanted commercially-oriented E-Mail).

Because the network was inaccessible, we didn't have the ability to forward packet mail any place we could not reach via radio. Which did put Wisconsin out of the mix, as all routes leading to us come via the Internet. Of course packet mail marked for distribution only in Wisconsin, and originating in Wisconsin, was not affected.

Both these episodes underscore the point made last month - In order to have a truly effective network, we need to "wean" ourselves from the Internet. Otherwise, we may not be able to live up to the promise of providing complete emergency communications capability when we need it most.

On another area, I have in the past mentioned that there is a small group of hams here in Northeastern Wisconsin who have been experimenting with wireless Ethernet. They have been experimenting at both 900 MHz and 2.4 GHz. These were originally intended to be "Part 15" devices; intended for unlicensed operation. However, the operating frequencies also fall in bands that we, as hams, are authorized to operate in. Their most recent experimentation has been taking place at 900 MHz.

These folks have put up a web site that relates the results of their experimentation. Look for it at:

www.gbppr.org

Incidentally, GBPPR means "Green Bay Professional Packet Radio". Why that name? They felt that the "Amateur" in "Amateur Packet Radio" was misleading. They wanted to let everyone know that they were looking for professional results. If you look at this page, you will find that they are well on their way to this goal. I have seen lightning-fast file transfers when a good path was available. These spread-spectrum wireless Ethernet cards are certainly professional, and could be just what is needed as a basis to form a very good Amateur Ham packet radio network!

That's it for this time out. I am always looking for

news of interest to the packet radio community. Feel free to send them in whatever way you find convenient. My addresses are at the top of this page.

Until next time,
73 from Andy.

File Transfers via Packet

by Andy Nemec, KB9ALN

Most packet operators only touch part of packet radio's capabilities in their everyday operation - they read messages on a BBS, maybe leave a message in someone's mailbox, and perhaps occasionally engage in a keyboard chat. However, what most people don't bother with can actually be a lot of fun - file transfers.

Oh, perhaps the mechanics of the process itself is not something that would bring someone great joy. It is the fact that you can exchange any type of file, not just text, that makes it fun.

It would be good to define, for packet radio purposes, the two types of files that you will encounter. Text and other - it's that simple. Being as packet radio in AX.25 form is a textual mode, that type of file is the easiest to transfer. It's the "other" that gets a little more involved.

In the old days of packet, you needed to send a bunch of arcane commands to the TNC that would allow it to accept binary information contained in those "other" files. It was cumbersome, and some files did not transfer well. Text files, on the other hand, were and still are considerably easier to send and receive, store and read later.

Just about every program that is used as a terminal or host program (even the ones originally written as telephone modem programs, such as Procomm) has this capability. The process varies, so you'll have to be familiar with how text files are sent and received in your particular program. What we'll discuss today is how to send more

exotic files with the same basic process you use for text files. Before we get ahead of ourselves, however, we should talk about the two types of files you may want to send via packet radio.

First, most people know what a text file is - a file that you can easily read with a file viewer or editor, such as List, Notepad, or Wordpad. I am not talking about word processor documents, such as those generated with Microsoft Word or Corel's Wordperfect. They usually have readable text in them, but also have odd characters that tell the word processor how to format a page, and that kind of thing. A good example of a text file would be a "README" file. Most text files have a .TXT filename extension in their name. If you're not sure if a particular file is a text file, here's a test.

You'll have to use DOS (or a DOS window in Windows) to do this. Use the "Type" command to view the contents of a file. If you had a file named "RADIOS" that you wanted to investigate, you'd issue this command from the DOS prompt:

TYPE RADIOS

If it is a particularly big file, and it scrolls off the screen too fast, try this:

TYPE RADIOS |MORE

In the case of the second command, you will see "---MORE---" at the bottom of the screen. Pressing the space bar will get you another screenful. If you see unidentifiable characters, it is not a pure text file. No problem, you can still send it.

Converting Files

Ok, you've got a file that was generated by a word

WISCONSIN AMATEUR PACKET RADIO MEMBERSHIP APPLICATION

PLEASE PRINT:

NAME: _____ CALL: _____ HOME PHONE: (____) _____

ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____

HOME BBS: _____ FREQ: _____ (Listing your home BBS is important)

MY PACKET STATION OPERATES: _____ DAY _____ NIGHT _____ 24 HOURS

I OPERATE A: _____ DIGIPEATER WITH AN ALIAS OF: _____

_____ FULL SERVICE BBS

PRIMARY PACKET INTERST/EXPERTISE IS: _____

_____ YES: I want to receive Badger State Smoke Signals and I understand that part of my dues will go to pay the subscription. Cost \$20.00.

_____ NO: I do not wish to receive Badger State Smoke signals as part of WAPR membership. Cost \$15.00.

Complete and return this form with your check or money order — \$15.00 for membership only or \$20.00 for membership and Badger State Smoke Signals, made payable to W.A.P.R. to:

Allen Schnepf, NØGMJ, Treasurer,
W5000 SR 86
PO Box 558
Ogema, WI 54459

processor, or is of some "other" type, how do you get it to be sent simply? The answer is that you need to use another program that converts the file to one that is text.

It's not actually readable text. It's a text representation of the contents of the file. After the file is sent, a companion program will use this textual representation to reconstruct the file, returning it to its original form. This is done off-line, when the packet program is not running. This way, you can send programs, sound wave files, picture files, and data files from a particular program as easily as text files.

File Conversion Programs

The most widely seen of these programs is called "YAPP". Anyone who has ever explored the depths of a MSYS BBS has seen the "Y" command. MSYS has a built-in YAPP conversion process that sends the file converted to the YAPP format. All you need to do download the file, and then convert it to its original form with the YAPP program. It's a pretty easy series of commands in DOS to do this, and then you can use the file. You can also use YAPP without a BBS, between two ordinary stations. Of course the file sender has to manually convert the file with the YAPP program in that case. YAPP is available at the TAPR FTP site, which can be accessed from their World-Wide Web site (www.tapr.org).

Another widely seen file converting program is UUE. Actually, like most of these, it's a pair of programs. One is UUEncode, the other is UUDecode. The file that is to be sent is first converted with the UUEncode, uploaded to the receiver and saved, then decoded with UUDecode and used by the recipient. Again, a simple series of DOS commands is used and it also is available at the TAPR site mentioned above.

And yet another is 7-Plus. You've probably seen messages that were addressed to 7PLUS on your local BBS, and reading them was impossible. That is because they are non-text files that have been converted and broken up into pieces. Like a lot of file conversion programs of this nature, 7Plus allows you to split the file into pieces. This makes it possible to send them as mail messages that take less time to transfer, and make for a more reliable transfer as well.

Any of these will do the job, and there are more out there that will do the same job, and just as easy. The important thing to remember is that the bigger the file, the more air time is required. Thus, you can tie up a local packet frequency quite easily.

You might consider splitting a file into small pieces, then sending it to the recipient's mailbox. The messages are saved as a file, the address information is edited out, and the file conversion program reassembles the program. That way, the file can be sent during "off-hours", and the person receiving the file doesn't have to be there.

Conclusion

This just goes to show you that in this Internet-oriented world, there are still some neat things that you can do with simple packet radio. And all of this can be done with the simplest of computers (even an 8088) with only a little bit of work.

Until next time,
73 from Andy.

THE TESTPOINT

(continued from page 3)

test fee at \$6.65. A \$6.65 fee will be collected from applicants seeking to upgrade using a physician's certification to waive the Morse code examination. FCC requires applicants to show their original amateur license or CSCE to the VE team. You must also have a good copy of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 605 and most VE teams need a copy for their records. One good CSCE copy is sufficient. You are also be required to have a photo ID, or two other forms of ID. Contact the VE team for details. Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Proof must be either in the form of a pre-3/21/87 license document or a "Letter of Verification of Technician License Held Prior to 1987" as requested in writing from the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. For those with internet access, a listing of exam sessions is available from:

<http://www.arrl.org/arrlvec/examsearch.phtml>

By checking this page, you can find registered VE sessions anywhere in the US and some overseas. You can



Yellow Thunder Amateur Radio Club



WB9FDZ (Original Club Call)
K9ODK (Robert L. Prine Memorial Call)

Leonard Wagner, N9XJG, Secretary
E10262 Hootowl Drive □ Baraboo, WI 53913

Steve Schulze, Club President, N9UDO, Called the September 5th 2000 meeting of the Yellow Thunder Amateur Radio Club Inc. to order at 19:43.

The minutes for the August meeting were accepted.

OLD BUISNESS

There will be a \$100 memorial contribution made to the American Diabetes Association and St Clare Hospital on behalf of Loretta Kleefisch, wife of Art, W9WSS, who passed away July 22, 2000. Our sympathy goes out to Art and the rest of his family.

Congratulations to Jim, N9LKY who is now an Extra Class, and to Bill, KA9QFJ and Tom, N9PQJ Who are now General Class, also to Steve, N9UDO who is one step closer to General by receiving his CSCE for the General written.

NEW BUISNESS

Steve Schulze, N9UDO was asked, and permission was given, that on September 3, 2000 the Bombay Bicycle Club would use the club repeater for their event entitled, The Wright Stuff. The repeater performed very well for them according to the report from the events control operators.

Some discussion was held on making contact with the VHF Club, for the purpose of trying to coordinate with them the possibility of them having their 2002 meeting in the area, at the same time as the club's Hamfest. It was felt that both clubs could benefit from this joining of events.

All the figures for the Hamfest are not yet final, but a preliminary report indicates that the club will make a profit from the event.

The Hamfest also generated 3 new membership ap-

search by country, state or zip code. The listing is not specific to any particular VEC. It is a master database. Thanks to Bart Jahnke, W9JJ, ARRL/VEC

Thoughts for the month.

(from The ARNS Bulletin)

Imagine if each one of us were able to share this hobby with one more person and within the year the number of amateur radio operators doubles.

Warning Labels:

Actual labels found on real products
(from The ARNS Bulletin)

On a helmet mounted mirror used by US cyclists: remember, objects in the mirror are actually behind you.

On the bottle-top of a (UK) flavored milk drink: after opening, keep upright.

In a US guide to setting up a new computer: to avoid condensation forming, allow the boxes to warm up to room temperature before opening. (Sensible, but the instruction was INSIDE the box.)

In some countries, on the bottom of Coke bottles: "Open other end."

On a packet of Sunmaid raisins: Why not try tossing over your favorite breakfast cereal?

On a Japanese food processor: not to be used for the other use.

plications and 1 renewal. A vote was cast at this meeting and all memberships were accepted. The Club welcomes its new members. Anyone wishing to join Yellow Thunder Amateur Radio Club can do so by contacting Club President Steve Schulze at steven9udo@baraboo.com, or calling 356-2313, or Bill Klinkner at klinkner@speagle.com, 643-6453, or any of the other club officer's.

Nominations for Club Officers were as follows:

Club President Steven Schulze - N9UDO

Vice President Thomas Harrison - N9PQJ

Treasurer Bill Klinkner - N9KXX

Secretary Raymond Matlosz - N9MLZ

All nominations were accepted.

The Club picnic planned to be held September 23 at Steve Schulze's house on City View Rd, has been cancelled.

Next meeting is October 3 at 19:30, in room 18 of the Baraboo Civic Center.

The following members were present

James Brann	KB9NXG	North Freedom
Raymond Matlosz	N9MLZ	Reedsburg
Steve Schulze	N9UDO	Baraboo
Leonard Wagner	N9XJG	Baraboo
Jim Paul	N9LKY	Baraboo
Bill Hommel	KA9QFJ	Baraboo
Dave Spearing	KB9CSW	Portage
Bill Klinkner	N9KXX	Sauk City
Thomas Harrison	N9PQJ	Reedsburg

Things to do at Wal-Mart

(from The ARNS Bulletin)

1. Get the boxes of condoms & randomly put them in peoples carts when they are not looking.
2. Set all the alarm clocks to go off at 10 minute intervals.
3. Make a trail of orange juice on the floor to the restrooms.
4. Walk up to an employee and tell him/her in an official tone, "I think we have a code 3 in house wares," and see what happens.
5. Turn all the radios to a polka station, then turn them all on and set the volumes to 10.
6. Challenge other customers to duel with tubes of gift wrap.
7. Put M&M's on layaway
8. Move the "CAUTION WET FLOOR" signs to a carpeted area.
9. Set up a tent in the camping department, tell others you'll only invite them if they bring pillows from the bedding department.
10. When someone asks if they can help you, begin to cry and ask "Why won't you people leave me alone?"
11. Look into the security camera and use it as a mirror while you pick your nose.

Buy it! • Sell it! • Trade it! • Fix it!

SWAPFESTS



**29th ANNUAL MIDWINTER
SWAPFEST**
WAUKESHA EXPOSITION
CENTER
WAUKESHA, WISCONSIN
**SATURDAY
JANUARY 6, 2001**

Both sponsored by:
THE WEST ALLIS RADIO AMATEUR CLUB, INC.
P. O. BOX 1072 • MILWAUKEE, WISCONSIN 53201

**HAM IT UP EVERY SPRING!
MADISON SWAPFEST**
April 8, 2001
Mandt Community Center
400 Mandt Parkway • Stoughton, WI
Doors open at 8 a.m.
Sponsored by MARA/W9HSY
P. O. Box 8890 Madison, WI 53708-8890
Swapfest Information Line: (608) 245-8890

**SOUTH MILWAUKEE AMATEUR RADIO CLUB
SWAPFEST 01**
2001 ♦ July 7
(Held every July)
American Legion Park
Shepard Avenue • Oak Creek, WI
(414) 762-3235 Extension: Ask for Verne
P. O. Box 102 South Milwaukee, WI 53172

SEWFARS SWAPFEST
HAM RADIOS • COMPUTERS • ELECTRONICS
AMATEUR LICENSE EXAMS
SUNDAY, MARCH 4, 2001
8:00 A.M. - 2:00 P.M.
Setup Starts at 6:00 A.M.
For more information, call (414) 835-7035

**LAKESHORE HAMFEST
AND COMPUTER SWAPFEST**
Manitowoc County Expo
Intersection of Hwys 42-151 and I-43 on Cty Highway R
Saturday, May 13, 2000
For more information, call:
Red, N9GHE • (920) 84-3733
Dick, N9QFY • (920) 682-9264
ManCoRad Radio Club • P.O. Box 204 • Manitowoc, WI 54221-0204

TRI-COUNTY ARC PRESENTS
HAMFEST Y2K
YOUR SPRING FAVORITE!
Sunday, March 19
Jefferson County Fairgrounds
tricountyarc@globaldialog.com
TCARC 413 S. Main Street Fort Atkinson, WI 53538 920-563-8740
Evenings

**NSORC
Fest**
formerly known as LAMARSfest
Lake County Fairgrounds / Grayslake, Illinois
Radio, Electronic, Computer Swapfest
03/25/01
www.ns9rc.org
North Shore Radio Club / Box 1066 Highland Park, IL / 60035

Eau Claire Amateur Radio Club
HAMFEST 2001
Saturday, June 9, 2001
For Information Contact:
Jim Staatz KG9RA at 715-838-9108
P.O. Box 1867 Eau Claire, WI 54702-1867
<http://www.ecarc.org> w9eau@ecarc.org

Racine Megacycle Club
Stay Tuned!
Visit us on the Web!
<http://www.w9udu.org>
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Phone: 262-552-6762
E-Mail: w9udu@w9udu.org
Contact us or keep checking our web site for details on upcoming events.
RACINE MEGACYCLE CLUB
W9UDU

Ozaukee Radio Club
**23RD ANNUAL RADIO AND
COMPUTER SWAPFEST**
Saturday, May 5, 2001
8 a.m. to 1 p.m. • Circle B Recreation Center
Intersection of Highway 60 and County I
Exams by Badger Examiners, c/o Gary Sharbuno,
5119 W. Willow Rd., Brown Deer, WI 53222
Swapfest sponsored by the Ozaukee Radio Club
W55 N865 Cedar Ridge Drive • Cedarburg, WI 53012

Circus City Swapfest
Sponsored by The Yellow Thunder Amateur Radio Club
Saturday August 12, 2000 • 7 am - Noon
Sauk County Fairgrounds • Baraboo, WI
Vendors • Concessions
Camping • Free Parking
Tail Gate Area
\$4 - Advanced
\$5 - At Gate
8 Foot Tables - \$5
Steve Schulze, N9UDO (608)356-2313/356-4777
<http://members.baraboo.com/ssschulze/hamfest.htm>
Bill Klinkner, N9KXX (608)643-6908/643-6453

Red Cedar Repeater Association, Inc.
AUCTION
February 27, 2001 • 7:00 p.m.
American Legion Post 53 • 634 Water Street
Eau Claire, WI
CONTACT: Steve Hart, KA9OMC E616 810th Ave. 715-665-2374
Knapp, WI 54749

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BP-202 for Radio Shack; PB-34 NiMH & PB-13 NiMH for Kenwood; EBP-22 NiMH for Alnico;
& more! And...the UDQ-9000 Universal Charger! Call for info / pricing, or visit our website!
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Lake County Fairgrounds, Rts. 45 and 120,
Grayslake, Illinois
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<http://www.chicagofmclub.org> • P.O. Box 56784, Harwood
Heights, IL 60656-0724

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